Center Innovation Fund: JPL CIF

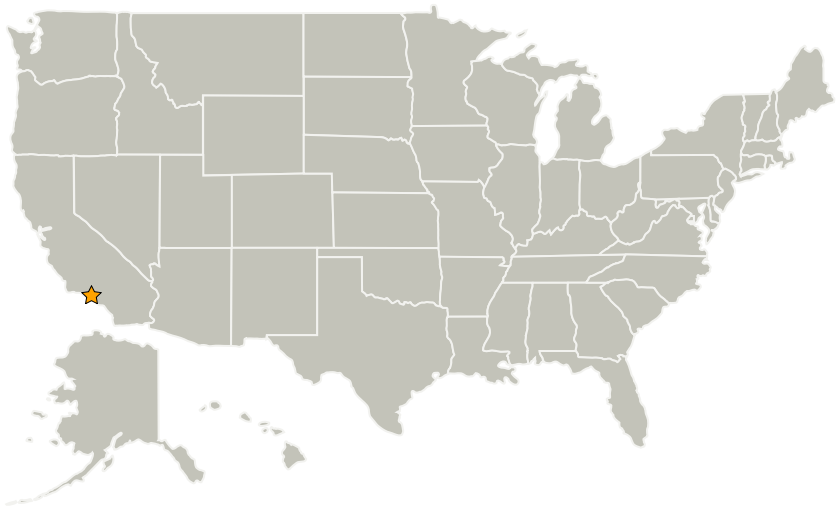
Printed Spacecraft Workshop

Completed Technology Project (2012 - 2012)

Project Introduction

The objectives of this workshop are to engage the engineering community at JPL that is knowledgeable in this technology in guiding/developing/critiquing its application in the context of an end-end functional system, expand the repertoire of engineering applications for this technology, further define the engineering functionality of the “reference mission” platform generated at the Science/Mission Workshop, discuss the mission architecture trades regarding the balance of functionality on the “support spacecraft” vs the printed platform, discuss trades within the system design of the printed platform, and to determine engineering functionality and requirements.

Primary U.S. Work Locations and Key Partners



Organizations Performing Work	Role	Type	Location
★Jet Propulsion Laboratory(JPL)	Lead Organization	NASA Center	Pasadena, California

Printed Spacecraft Workshop

Table of Contents

Project Introduction 1
Primary U.S. Work Locations and Key Partners 1
Organizational Responsibility 1
Project Management 1
Technology Areas 2

Organizational Responsibility

Responsible Mission Directorate:

Space Technology Mission Directorate (STMD)

Lead Center / Facility:

Jet Propulsion Laboratory (JPL)

Responsible Program:

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Project Management

Program Director:

Michael R Lapointe

Continued on following page.

Project Management *(cont.)*

Program Manager:

Fred Y Hadaegh

Project Manager:

Jonas Zmuidzinas

Principal Investigator:

Kendra L Short

Technology Areas

Primary:

- TX11 Software, Modeling, Simulation, and Information Processing
  - TX11.5 Mission Architecture, Systems Analysis and Concept Development
    - TX11.5.2 Tools and Methodologies for Performing Systems Analysis